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The invention relates to a method of analyzing a data set of an object to be examined, which data set comprises voxels of at least a first type and a second type, said method comprising the following steps:

- a) classifying the voxels as voxels of the first, the second or further types;
- 5 b) determining which of the voxels of the first type are boundary voxels that adjoin voxels of the second or further types;
 - assigning a data value to each voxel of the first type, said data value representing a
 measure of the distance between said voxel and the nearest boundary voxel;
 - d) classifying the voxels of the first type that have a distance data value exceeding a predetermined threshold as aberration voxels.

The invention also relates to a computer program for carrying out the method according to the invention.

Fig. 1